

Converting Colors

XYZ(2.8858, 1.7653, 2.3886)

Have a look what the booklet for
XYZ(2.8858, 1.7653, 2.3886)
contains.

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Color

XYZ(2.8810, 1.7580, 2.3780)

Conversions

Conversions Part 1

Format	Color
Hex	42122A
RGB	66, 18, 42
RGB Percent	26%, 7%, 16%
CMY	0.7412, 0.9294, 0.8353
CMYK	0.00, 0.73, 0.36, 0.74
HSL	330°, 57%, 16%
HSV	330°, 73%, 26%
XYZ	2.8810, 1.7580, 2.3780
YIQ	35.0880, 20.9040, 17.6400

Conversions

Conversions Part 2

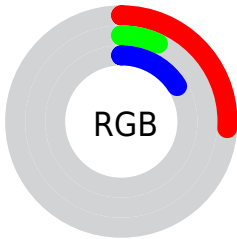
Format	Color
RYB	66, 18, 42
Decimal	4330026
CIELab	14.16, 25.89, -3.90
CIElCh	14, 26.180, 351.431
Yxy	1.7580, 0.4106, 0.2505
Android (android.graphics.Color)	4282520106 (0xFF42122A)
YUV	35.0880, 3.4076, 27.1098
Hunter-Lab	13.2590, 15.5826, -1.3524




Details

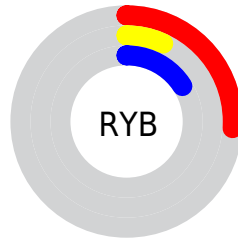
The XYZ color **2.8810, 1.7580, 2.3780** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **2.6157, 4.1923, 2.8619**, and the grayscale version is **1.6007, 1.6841, 1.8340**.




A 20% lighter version of the original color is **10.7562, 8.0679, 10.0072**, and **0.0250, 0.0129, 0.0012** is the 20% darker color. If you saturate the color by 10%, you get **2.7324, 1.5514, 2.0490**, and if you desaturate by 10%, it is **3.0654, 2.0284, 2.7430**.

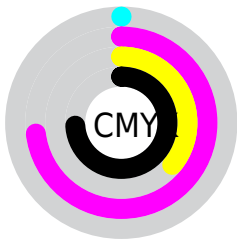
Distribution







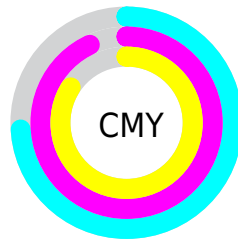
-  Red (26%)
-  Green (7%)
-  Blue (16%)






-  Red (26%)
-  Yellow (7%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (73%)
-  Yellow (36%)
-  Black (74%)





-  Cyan (74%)
-  Magenta (93%)
-  Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 2.8810, 1.7580, 2.3780 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 2.8810, 1.7580, 2.3780 by changing the saturation by 10% instead.


 2.8810, 1.7580,
2.3780


 2.8810, 1.7580,
2.3780

 122.2964,
111.1554, 127.9949


 1.0911, 0.4608,
0.7744


 10.7903, 8.0865,
10.0506


 0.0177, 0.0000,
0.0000

 17.6405, 13.9508,
16.9689

 0.0000, 0.0000,
0.0000


 26.9082, 22.1278,
26.5000


 38.9587, 33.0017,
39.0623


 54.1574, 46.9570,
55.0744


 72.8697, 64.3782,


74.9548


 95.4609, 85.6495,
99.1221


 2.8810, 1.7580,
2.3780


 2.8810, 1.7580,
2.3780


 2.7324, 1.5514,
2.0490


 3.0654, 2.0284,
2.7430

 2.6083, 1.3862,
1.7515

 3.2880, 2.3672,
3.1454

 2.5213, 1.2681,
1.5507

 3.5512, 2.7789,
3.5863

 3.8569, 3.2675,
4.0671

 4.2072, 3.8367,
4.5889

■ 4.6039, 4.4900,
5.1528

■ 5.0486, 5.2307,
5.7599

■ 5.5431, 6.0618,
6.4111

■ 6.0888, 6.9864,
7.1075

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



2.5909, 1.7580, 4.3413



2.8810, 1.7580, 2.3780



2.7977, 1.7580, 1.0403

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2.8810, 1.7580, 2.3780



1.3286, 1.7580, 0.0034



1.1173, 1.7580, 5.1808

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



2.8810, 1.7580, 2.3780



2.6157, 4.1923, 2.8619

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.8964, 1.7580, 3.1766



2.8810, 1.7580, 2.3780



0.9994, 1.7580, 0.5660

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



2.8810, 1.7580, 2.3780



1.8259, 1.7580, 0.0000



0.8583, 1.7580, 1.5149



1.5250, 1.7580, 6.4319

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



2.8810, 1.7580, 2.3780



2.5477, 1.7580, 0.4960



0.8583, 1.7580, 1.5149



1.0226, 1.7580, 4.5351

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



2.8811, 1.7581, 2.3780



7.2924, 6.6391, 7.9485



2.1546, 1.3183, 5.2952



1.8749, 1.6966, 2.0383



38.6329, 40.6448, 44.2622



2.3302, 2.4515, 2.6697

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



2.8811, 1.7581, 2.3780



4.5794, 2.4791, 3.1412



2.5723, 1.6346, 0.7523



1.3460, 1.3476, 1.5198



5.4619, 2.7530, 3.0887



33.8003, 17.0856, 16.9035

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



2.8811, 1.7581, 2.3780



4.5794, 2.4791, 3.1412



3.1811, 4.4184, 5.8395



1.3460, 1.3476, 1.5198



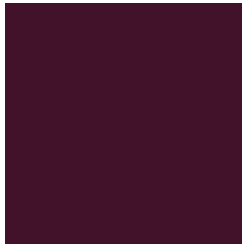
5.4619, 2.7530, 3.0887



33.8003, 17.0856, 16.9035

Previews

White Background



This preview shows how the XYZ color 2.8810, 1.7580, 2.3780 looks on a white background.

Color Contrast Check

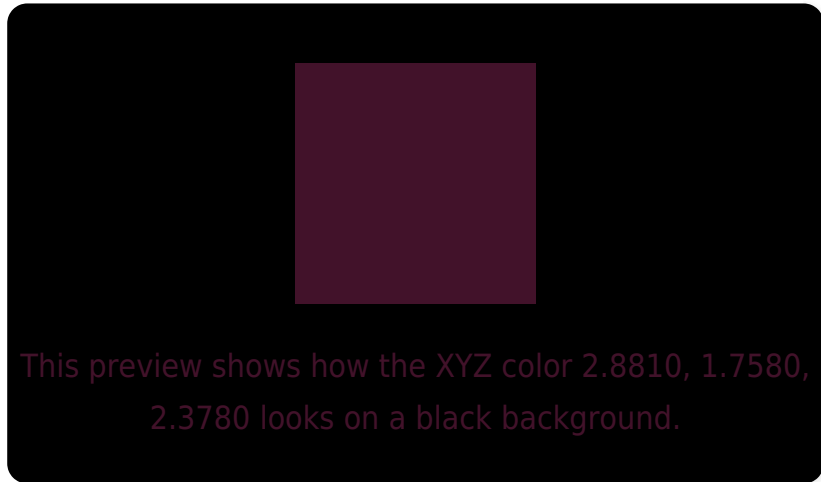
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

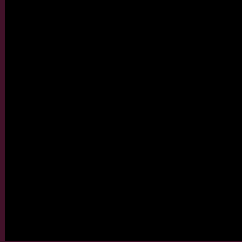
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 2.8810, 1.7580, 2.3780

Background



This preview shows how black text looks on a background with the XYZ color 2.8810, 1.7580, 2.3780.



This preview shows how white text looks on a background with the XYZ color 2.8810, 1.7580, 2.3780.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

2.8810, 1.7580, 2.3780

Protanopia

1.9468, 1.9060, 3.8797

Deuteranopia

1.8890, 1.8661, 2.2681



Tritanopia

2.6512, 1.8026, 1.0723

Trichromacy



Original Color

2.8810, 1.7580, 2.3780

Protanomaly

2.0787, 1.6943, 3.2351

Deuteranomaly

2.1062, 1.6918, 2.3134

Tritanomaly

2.6955, 1.7591, 1.4938

Monochromacy



Original Color

2.8810, 1.7580, 2.3780

Achromatopsia

1.5975, 1.6807, 1.8303

Achromatomaly

1.9159, 1.5995, 2.0415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.8810, 1.7580, 2.3780 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(66, 18, 42) looks like.

```
.text, #text, p{  
    color:rgb(66, 18, 42)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(66, 18, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 18, 42) }
```

Border

The CSS property to change the border of an element to XYZ 2.8810, 1.7580, 2.3780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 18, 42) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(66, 18, 42) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(66, 18, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 18, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 18, 42);  
box-shadow:4px 4px 4px 4px rgb(66, 18, 42)  
}
```


Background

The CSS property to change the background color of an element to XYZ 2.8810, 1.7580, 2.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 18, 42) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(66, 18,  
42) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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